

**L-Methionine, biological studies**

See also *Metabolic pathways*, carbon metabolic pathway

**L-Methionine, compounds****copper(2+) salt (2:1)**

see *Copper, bis(L-methioninato-κN,κO)-* [13985-65-4]

**hydroxy analog**

see *Butanoic acid, 2-hydroxy-4-(methylthio)-, (2S)-* [48042-96-2]

**L-Methionine**

—, *N*-acetyl-L-serylglycyl-L-valylglycyl-L-α-aspartylglycyl-L-valyl-L-α-aspartyl-L-valyl-L-valyl-L-seryl-L-alanyl-L-isoleucyl-L-α-glutamylglycyl-L-alanyl-L-alanyl-L-alanyl-L-isoleucylglycylglycyl-L-alanyl-L-valyl-L-leucyl-L-threonyl-L-valyl-L-methionyl-L-valylglycyl-L-isoleucyl-L-lysyl-L-valyl-L-tyrosyl-L-lysyl-L-tryptophyl-L-valyl-L-arginyl-L-arginyl-L-alanyl

See *Protein (bacteriophage Xf major coat)* [69494-96-8]

**S-adenosyl-**

See *Adenosine, 5'-[(3S)-3-amino-3-carboxypropyl-methylsulfonio]-5'-deoxy-, inner salt* [29908-03-0]

**iodide** — see *Adenosine, 5'-[(3S)-3-amino-3-carboxypropyl-methylsulfonio]-5'-deoxy-, iodide* [3493-13-8]

—, L-alanyl-L-arginyl-L-seryl-L-tyrosylglycyl-L-asparaginylglycyl-L-valyl-L-tyrosyl-L-cysteinyl-L-asparaginyl-L-asparaginyl-L-lysyl-L-lysyl-L-cysteinyl-L-tryptophyl-L-valyl-L-asparaginyl-L-arginylglycyl-L-α-glutamyl-L-alanyl-L-threonyl-L-glutamyl-L-seryl-L-isoleucyl-L-isoleucylglycylglycyl-L-methionyl-L-isoleucyl-L-serylglycyl-L-tryptophyl-L-alanyl-L-serylglycyl-L-leucyl-L-alanylglycyl

**cyclic (10-15)-disulfide** — see *Curvacin A* [146239-44-3]

—, L-arginyl-L-prolyl-L-asparaginyl-L-tryptophyl-L-α-glutamyl-L-α-glutamyl-L-arginyl-L-seryl-L-arginyl-L-leucyl-L-cysteinylglycyl-L-arginyl-L-α-aspartyl-L-leucyl-L-isoleucyl-L-arginyl-L-alanyl-L-phenylalanyl-L-isoleucyl-L-tyrosyl-L-leucyl-L-cysteinylglycylglycyl-L-threonyl-L-arginyl-L-tryptophyl-L-threonyl-L-arginyl-L-leucyl-L-prolyl-L-asparaginyl-L-phenylalanylglycyl-L-asparaginyl-L-tyrosyl-L-prolyl-L-isoleucyl

See *Relaxin (Raja erinacea-B reduced)* [107712-70-9]

—, L-arginyl-L-prolyl-L-valyl-L-lysyl-L-valyl-L-tyrosyl-L-threonyl-L-asparaginylglycyl-L-valyl-L-α-glutamyl-L-α-glutamyl-L-glutamyl-L-seryl-L-seryl-L-α-glutamylglycyl-L-phenylalanyl-L-prolyl-L-seryl-L-α-glutamyl

See *Corticotropin-like intermediate lobe peptide I (Onchornychus keta)* [74273-38-4]

—, L-arginyl-L-threonyl-L-threonylglycyl-L-histidyl-L-leucyl-L-cysteinylglycyl-L-lysyl-L-α-aspartyl-L-leucyl-L-valyl-L-asparaginyl-L-alanyl-L-leucyl-L-tyrosyl-L-isoleucyl-L-alanyl-L-cysteinylglycyl-L-valyl-L-arginylglycyl-L-phenylalanyl-L-phenylalanyl-L-tyrosyl-L-α-aspartyl-L-prolyl-L-threonyl-L-lysyl

**cyclic (7-7'), (19-20')-bis(disulfide) with** glycyl-L-isoleucyl-L-valyl-L-α-glutamyl-L-glutamyl-L-cysteinyl-L-cysteinyl-L-histidyl-L-lysyl-L-arginyl-L-cysteinyl-L-seryl-L-isoleucyl-L-tyrosyl-L-asparaginyl-L-leucyl-L-glutamyl-L-asparaginyl-L-tyrosyl-L-cysteinyl-L-asparagine cyclic (6'-11')-disulfide — see *Insulin (Myxine glutinosa)* [54651-43-3]

—, glycy-L-seryl-L-lysyl-L-lysyl-L-prolyl-L-valyl-L-prolyl-L-isoleucyl-L-isoleucyl-L-tyrosyl-L-cysteinyl-L-asparaginyl-L-arginyl-L-arginyl-L-threonylglycyl-L-lysyl-L-cysteinyl-L-glutamyl-L-arginyl

**cyclic (11-18)-disulfide** — see *Thanatin* [214542-43-5]

—, L-histidyl-L-alanyl-L-α-aspartylglycyl-L-isoleucyl-L-tyrosyl-L-threonyl-L-seryl-L-α-aspartyl-L-valyl-L-alanyl-L-seryl-L-leucyl-L-threonyl-L-α-aspartyl-L-tyrosyl-L-leucyl-L-lysyl-L-seryl-L-lysyl-L-arginyl-L-phenylalanyl-L-valyl-L-α-glutamyl-L-seryl-L-leucyl-L-seryl-L-asparaginyl-L-tyrosyl-L-asparaginyl-L-lysyl-L-arginyl-L-glutamyl-L-asparaginyl-L-α-aspartyl-L-arginyl-L-arginyl

See *Glucagon-like peptide G 38 (Hydrolagus coliei)* [119883-18-0]

—, L-leucyl-L-phenylalanyl-L-arginyl-L-leucyl-L-isoleucyl-L-alanyl-L-lysyl-L-threonyl-L-leucylglycyl-L-seryl-L-leucyl

See *Toxin HP 1 (Vespa basalis)* [210104-76-0]

—, L-lysyl-L-α-glutamyl-L-threonyl-L-alanyl-L-alanyl-L-alanyl-L-lysyl-L-phenylalanyl-L-α-glutamyl-L-arginyl-L-glutamyl-L-histidyl

See *Nuclease, ribo- (cattle pancreas C-peptide)* [3150-30-9]

—, 5-oxo-L-prolyl-L-α-glutamyl-L-lysyl-L-prolyl-L-tyrosyl-L-tryptophyl-L-prolyl-L-prolyl-L-prolyl-L-isoleucyl-L-tyrosyl-L-prolyl

See *Tryptophyllin-13* [99948-92-2]

—, L-phenylalanyl-L-alanyl-L-α-glutamyl-L-prolyl-L-leucyl-L-prolyl-L-seryl-L-α-glutamyl-L-α-glutamyl-L-α-glutamylglycyl-L-α-glutamyl-L-phosphono-L-seryl-L-tyrosyl-L-phosphono-L-seryl-L-lysyl-L-α-glutamyl-L-valyl-L-prolyl-L-α-glutamyl-L-methionyl-L-α-glutamyl-L-lysyl-L-arginyl-L-tyrosylglycylglycyl-L-phenylalanyl

See *Enkelytin (cattle)* [175975-94-7]

—, L-phenylalanyl-L-prolyl-L-asparaginyl-L-glutamyl-L-histidyl-L-leucyl-L-cysteinylglycyl-L-seryl-L-histidyl-L-leucyl-L-valyl-L-α-glutamyl-L-alanyl-L-leucyl-L-tyrosyl-L-leucyl-L-valyl-L-cysteinylglycyl-L-α-glutamyl-L-lysylglycyl-L-phenylalanyl-L-tyrosyl-L-tyrosyl-L-isoleucyl-L-prolyl-L-arginyl

See *Insulin (Ornithorhynchus anatinus-B reduced)* [174819-34-2]

—, L-seryl-L-tyrosyl-L-seryl-L-methionyl-L-α-glutamyl-L-histidyl-L-phenylalanyl-L-arginyl-L-tryptophylglycyl-L-lysyl-L-prolyl

See *α<sup>1-13</sup>-Corticotropin, 13-L-methionine-* [28254-72-0]

—, L-seryl-L-tyrosyl-L-seryl-L-methionyl-L-α-glutamyl-L-histidyl-L-phenylalanyl-L-arginyl-L-tryptophylglycyl-L-lysyl-L-prolyl-L-valylglycyl-L-arginyl-L-lysyl-L-arginyl-L-arginyl-L-prolyl-L-valyl-L-lysyl-L-valyl-L-tyrosyl-L-prolyl-L-asparaginylglycyl-L-valyl-L-α-glutamyl-L-α-glutamyl-L-serylglycyl-L-α-glutamyl-L-alanyl-L-tyrosyl-L-prolyl-L-threonyl-L-α-glutamyl

See *α<sup>1-39</sup>-Corticotropin (Lepisosteus osseus)* [197664-41-8]

—, L-tyrosylglycylglycyl-L-phenylalanyl-L-methionyl-L-lysyl-L-lysyl-L-methionyl-L-α-aspartyl-L-α-glutamyl-L-leucyl-L-tyrosyl-L-prolyl-L-leucyl-L-α-glutamyl-L-valyl-L-α-glutamyl-L-α-glutamyl-L-alanyl-L-asparaginylglycylglycyl-L-α-glutamyl-L-valyl-L-leucylglycyl-L-lysyl-L-arginyl-L-tyrosylglycylglycyl-L-phenylalanyl

See *Peptide F (cattle adrenal medulla)* [75718-92-2]

—, L-tyrosylglycylglycyl-L-phenylalanyl-L-methionyl-L-lysyl-L-lysyl-L-methionyl-L-α-aspartyl-L-α-glutamyl-L-leucyl-L-tyrosyl-L-prolyl-L-methionyl-L-α-glutamyl-L-prolyl-L-α-glutamyl-L-α-glutamyl-L-alanyl-L-asparaginylglycyl-L-seryl-L-α-glutamyl-L-isoleucyl-L-leucyl-L-alanyl-L-lysyl-L-arginyl-L-tyrosylglycylglycyl-L-phenylalanyl

See *Peptide F (human adrenal medulla)* [110734-12-8]

—, L-valyl-L-α-aspartyl-L-lysyl-L-prolyl-L-α-aspartyl-L-tyrosyl-L-arginyl-L-prolyl-L-arginyl-L-prolyl-L-arginyl-L-prolyl-L-asparaginyl

See *Metalnikowin I* [172430-37-4]

—, L-valyl-L-α-aspartyl-L-lysyl-L-prolyl-L-α-aspartyl-L-tyrosyl-L-arginyl-L-prolyl-L-arginyl-L-prolyl-L-tryptophyl-L-prolyl-L-arginyl-L-prolyl-L-asparaginyl

See *Metalnikowin III* [172430-39-6]

**β-Methionine**  
See *Butanoic acid, 3-amino-4-(methylthio)-* [70095-14-6]

**Methionine-guanidinoacetic transmethylese**

See *Methyltransferase, guanidinoacetate* [9029-75-8]

**Methioninehydroxamic acid**

See *Butanamide, 2-amino-N-hydroxy-4-(methylthio)-* [36207-43-9]

**Methioninenitrile**

See *Butanenitrile, 2-amino-4-(methylthio)-* [3198-47-8]

**Methionine-specific tRNA**

See *tRNA, methionine-specific*

**Methionine sulfone**

See *Butanoic acid, 2-amino-4-(methylsulfonyl)-* [820-10-0]

**Methionine sulfoximine**

See *Butanoic acid, 2-amino-4-(S-methylsulfonylimidoyl)-* [1982-67-8]

**Methioninol**

See *1-Butanol, 2-amino-4-(methylthio)-* [502-83-0]

**Methionyl ribonucleic formyltransferase**

See *Formyltransferase, methionyl-transfer ribonucleate* [9015-76-3]

**Methionyl-transfer ribonucleic transformylase**

See *Formyltransferase, methionyl-transfer ribonucleate* [9015-76-3]

**Methiopioline**

See *Yohimban-16-carboxylic acid, 17-methoxy-12-(methylthio)-18-[(3,4,5-trimethoxybenzoyloxy)-, methyl ester, (3β,16β,17α,18β,20α)-* [2319-94-0]

**Methioprim (bacteriostat)**

See *2,4-Pyrimidinediamine, 5-[[3,5-dimethoxy-4-(methylthio)phenyl]methyl]-* [68902-57-8]

**Methiotepa**

See *Aziridine, 1,1',1''-phosphinothioylidynetris(2-methyl-)* [76-96-0]

**Methiothepin**

See *Piperazine, 1-[10,11-dihydro-8-(methylthio)-dibenzo(b,f)thiepin-10-yl]-4-methyl-* [20229-30-5]

**Methiotriazamine**

See *1,3,5-Triazine-2,4-diamine, 1,6-dihydro-6,6-dimethyl-1-[(4-(methylthio)phenyl)-, monohydrochloride* [6043-86-3]

**Methisazone**

See *Hydrazinecarbothioamide, 2-(1,2-dihydro-1-methyl-2-oxo-3H-indol-3-ylidene)-* [1910-68-5]

**Methisoprinol**

See *Inosine, compd. with 1-(dimethylamino)-2-propanol 4-(acetylaminobenzoate (salt) (1:3)* [36703-88-5]

**Methitural**

See *4,6(1H,5H)-Pyrimidinedione, dihydro-5-(1-methylbutyl)-5-[2-(methylthio)ethyl]-2-thioxo-* [467-43-6]

**Methixene**

See *Piperidine, 1-methyl-3-(9H-thioxanthen-9-ylmethyl)-* [4969-02-2]

**Methobromine**

See *1,6-Hexanediaminium, N,N,N',N',N'-hexamethyl-, dibromide* [55-97-0]

**Methocarbamol**

See *1,2-Propanediol, 3-(2-methoxyphenoxy)-, 1-carbamate* [532-03-6]

**Methocel 227**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methocel 228**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methocel 240**

See *Cellulose, ethers, methyl ether* [9004-67-5]

**Methocel 311**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methocel 20-231**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methocel 20-333**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methocel 40-202**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methocel A**

See *Cellulose, ethers, methyl ether* [9004-67-5]

**Methocel 4C**

See *Cellulose, ethers, methyl ether* [9004-67-5]

**Methocel CHG**

See *Cellulose, ethers, methyl ether* [9004-67-5]

**Methocel E**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methocel F**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methocel 4FM-PRG**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methocel HB**

See *Cellulose, ethers, 2-hydroxybutyl methyl ether* [37228-15-2]

**Methocel HG**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methocel J**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methocel K**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methocel MC**

See *Cellulose, ethers, methyl ether* [9004-67-5]

**Methocel MC 25**

See *Cellulose, ethers, methyl ether* [9004-67-5]

**Methocel MC 4000**

See *Cellulose, ethers, methyl ether* [9004-67-5]

**Methocel MK 4**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methocel 856N**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methocel 240S**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methocel SM 100**

See *Cellulose, ethers, methyl ether* [9004-67-5]

**Methocel ST 65HG50**

See *Cellulose, ethers, methyl ether* [9004-67-5]

**Methochlorpromazine iodide**

See *10H-Phenothiazine-10-propanaminium, 2-chloro-N,N,N-trimethyl-, iodide* [362-02-7]

**Methoclocinnamox**

See *2-Propenamide, 3-(4-chlorophenyl)-N-[(5α)-17-(cyclopropylmethyl)-4,5-epoxy-3-methoxy-6-oxomorphinan-14-yl]-, monomethanesulfonate* [117332-67-9]

**Methoctramine**

See *1,8-Octanediamine, N,N'-bis[6-[(2-methoxyphenyl)methyl]amino]hexyl]-, tetrahydrochloride* [104807-46-7]

**Methodichlorophen**

See *2,4-Pyrimidinediamine, 5-(3,4-dichlorophenyl)-6-methyl-* [7761-45-7]

**Methofadin**

See *Benzenesulfonamide, 4-amino-N-(6-methoxy-2-methyl-4-pyrimidinyl)-* [3772-76-7]

**Methofas PM**

See *Cellulose, ethers, 2-hydroxypropyl methyl ether* [9004-65-3]

**Methohexital**

See *2,4,6(1H,3H,5H)-Pyrimidinetrione, 1-methyl-5-(1-methyl-2-pentynyl)-5-(2-propenyl)-* [151-83-7]

**Methohexitone**

See *2,4,6(1H,3H,5H)-Pyrimidinetrione, 1-methyl-5-(1-methyl-2-pentynyl)-5-(2-propenyl)-* [151-83-7]